

ADDENDUM #4 TO SPEC. 05-021

Paving Project No.'s 701596A, 701662 and 701668 Yankee Hill Road – 27th St. to 40th Street. 27th Street – Yankee Hill Road to Whispering Wind Boulevard

Bid opening date is still **Friday, January 21, 2005 at 12:00 NOON** as noted in Addendum #2. This addendum will be uploaded on the City's website and will be faxed to planholder's on Wednesday, January 19, 2005.

Addendum No. 3 was sent out on January 14, 2005. The following are questions and clarifications from that addendum:

Clarification: There has been a question as to the accuracy of the earthwork quantities. An earthwork spreadsheet indicating cut, fill and over-excavation at the individual stations for each of the four plan sets are attached. Bid the earthwork quantity given in the bid item list included in Addendum No. 3. If a discrepancy is found at a later date, we will issue revision sheets to the successful bidder with an updated earthwork quantity.

Q: Is topsoil a separate pay item?

A: Topsoil is not a separate pay item. Refer to Section 2.06 "CONSERVATION OF TOP SOIL" in the City of Lincoln Standard Specifications.

Q: Is over-excavation a separate pay item?

A: No. The over-excavation quantity is shown for information only and has been included in the Earth Embankment quantity.

Q: Is it necessary to restrain fittings in areas where the pipe is not restrained? If so, can Megalugs be used?

A: In areas where the mainline pipe is not restrained, the pipe and fittings in the branch direction need to be restrained. Since all the pipes in the branch direction are less than 20", "Megalugs" are acceptable.

Q: Can an approved equal be used in lieu of the Duracon (DL-1520) for the wall sealer?

A: Yes. It is the City of Lincoln's normal practice to allow approved equals.

Q: Will the contractor's surveyor be expected to monument the new and/or existing right-of-way corners following the completion of the fine grading and seeding operations?

A: No. This will not be part of this contract.

**ADDENDUM #4
TO SPEC. 05-021**

**Paving Project No.'s 701596A, 701662 and 701668
Yankee Hill Road – 27th St. to 40th Street.
27th Street – Yankee Hill Road to Whispering Wind Boulevard**

- Q: Since some the existing pipe removal is paid for and some is not, can we assume the ones that aren't should?
- A: If a pipe is not listed as a removal item, it should be considered subsidiary to Clearing & Grubbing.

Traffic Signal Items

Clarification: Bid item SL Pole, SL-A-C-50-3S-0-0.25-PC (Grey Shoebox, PI Found) should be SL Pole, SL-A-PI-50-3S-0-0.25-PC (Grey Shoebox, PI Found).

- Q: What is the pay item for the City furnished Metro Signs? Is it to be installed by the Contractor?
- A: The City furnished Metro Signs will be installed by others.
- Q: When the Fiber Cabinet Type 'F' is installed should the Contractor supply the terminations?
- A: No, not with this project.
- Q: The plans show City furnished Magnetic Detector Probes. They are not on the list of City furnished material.
- A: The City will provide the probe for the Magnetic Vehicle Detector.

The following question was answered incorrectly in Addendum #3. Use answer shown below.

- Q: Is cathodic protection needed over the whole water pipe or just on the casing as shown on the plans?
- A: Cathodic protection is needed just on the casing. The casing is from approximately 33+32 to 34+35 and should be considered part of this project.

All other terms and conditions remain unchanged.

Dated this 19th day of January, 2005.

Purchasing Department,

Mary L. Long
Assistant Purchasing Agent

Signed Acknowledgement

City Earthwork						
BASLINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
150.00	86.51	0.0	2.73	0.0		
175.00	85.91	79.8	6.85	4.4		
200.00	102.11	87.0	12.31	8.9		
225.00	107.46	97.0	18.70	14.4		
250.00	101.20	96.6	16.77	16.4		
275.00	89.36	88.2	7.89	11.4	0.00	0.0
300.00	94.53	85.1	6.93	6.9	126.12	58.4
325.00	83.38	82.4	11.20	8.4	122.69	115.2
350.00	77.76	74.6	13.57	11.5	118.08	111.5
375.00	72.58	69.6	19.97	15.5	110.90	106.0
400.00	74.85	68.3	26.85	21.7	98.52	97.0
425.00	76.92	70.3	36.91	29.5	82.09	83.6
450.00	90.66	77.6	46.42	38.6	70.10	70.5
475.00	106.75	91.4	51.02	45.1	59.75	60.1
500.00	131.02	110.1	51.56	47.5	53.71	52.5
525.00	187.29	147.4	46.67	45.5	50.79	48.4
550.00	202.85	180.6	43.81	41.9	42.74	43.3
575.00	185.21	179.7	27.68	33.1	48.43	42.2
600.00	161.77	160.6	22.79	23.4	51.50	46.3
625.00	137.93	138.8	19.80	19.7	52.85	48.3
650.00	135.71	126.7	16.86	17.0	53.11	49.1
675.00	131.63	123.8	13.91	14.2	53.86	49.5
700.00	135.62	123.7	11.06	11.6	60.06	52.7
725.00	143.45	129.2	7.74	8.7	67.83	59.2
750.00	184.21	151.7	4.89	5.8	55.13	56.9
775.00	182.84	169.9	2.50	3.4	57.52	52.2
800.00	169.24	163.0	1.30	1.8	0.00	26.6
825.00	173.53	158.7	0.66	0.9		
850.00	173.96	160.9	0.89	0.7		
875.00	192.76	169.8	1.52	1.1		
900.00	219.97	191.1	1.46	1.4		
925.00	243.42	214.5	1.66	1.4		
950.00	256.35	231.4	2.21	1.8		
975.00	257.65	238.0	3.11	2.5		

City Earthwork						
BASLINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
1000.00	249.62	234.8	4.44	3.5		
1025.00	223.70	219.1	11.84	7.5		
1050.00	195.11	193.9	25.75	17.4		
1075.00	165.59	167.0	41.39	31.1		
1100.00	142.66	142.7	57.84	45.9		
1125.00	139.31	130.5	72.35	60.3		
1150.00	127.82	123.7	74.32	67.9		
1175.00	113.33	111.6	81.40	72.1		
1200.00	106.98	102.0	92.83	80.7		
1225.00	186.88	136.0	4.42	45.0		
1250.00	225.42	190.9	0.05	2.1		
1275.00	169.61	182.9	0.00	0.0		
1300.00	111.30	130.1	33.84	15.7	0.00	0.0
1325.00	77.33	87.3	74.64	50.2	107.40	49.7
1350.00	56.34	61.9	125.10	92.5	82.96	88.1
1375.00	50.88	49.6	111.30	109.4	80.03	75.5
1400.00	45.65	44.7	127.65	110.6	77.56	73.0
1425.00	40.32	39.8	146.27	126.8	75.55	70.9
1450.00	39.39	36.9	168.31	145.6	75.70	70.0
1475.00	35.48	34.7	192.19	166.9	75.60	70.0
1500.00	33.73	32.0	217.60	189.7	75.64	70.0
1525.00	32.19	30.5	272.63	227.0	75.64	70.0
1550.00	30.31	28.9	306.48	268.1	75.70	70.1
1575.00	28.58	27.3	306.66	283.9	121.73	91.4
1600.00	28.15	26.3	343.76	301.1	118.11	111.0
1625.00	28.58	26.3	356.38	324.1	115.57	108.2
1650.00	29.41	26.8	355.14	329.4	114.55	106.5
1675.00	29.29	27.2	320.75	312.9	116.58	107.0
1700.00	27.80	26.4	273.15	275.0	119.69	109.4
1725.00	29.84	26.7	219.51	228.1	124.42	113.0
1750.00	38.22	31.5	168.89	179.8	132.40	118.9
1775.00	58.86	44.9	124.03	135.6	142.10	127.1
1800.00	90.88	69.3	84.68	96.6	51.08	89.4
1825.00	125.97	100.4	57.03	65.6	53.67	48.5

City Earthwork						
BASELINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
1850.00	163.29	133.9	39.33	44.6	0.00	24.8
1875.00	207.09	171.5	42.78	38.0		
1900.00	260.81	216.6	28.00	32.8		
1925.00	309.42	264.0	16.60	20.6		
1950.00	358.52	309.2	9.75	12.2		
1975.00	401.42	351.8	5.37	7.0		
2000.00	437.90	388.6	3.33	4.0		
2025.00	464.64	417.8	2.20	2.6		
2050.00	475.53	435.3	0.77	1.4		
2075.00	494.81	449.2	0.00	0.4		
2100.00	525.12	472.2	0.00	0.0		
2125.00	566.47	505.4	0.00	0.0		
2150.00	602.31	541.1	0.00	0.0		
2175.00	579.19	547.0	0.00	0.0		
2200.00	559.99	527.4	0.00	0.0		
2225.00	533.53	506.3	0.00	0.0		
2250.00	509.83	483.0	0.00	0.0		
2275.00	491.76	463.7	0.00	0.0		
2300.00	473.93	447.1	0.00	0.0		
2325.00	462.18	433.4	0.00	0.0		
2350.00	428.93	412.6	0.00	0.0		
2375.00	397.91	382.8	0.00	0.0		
2400.00	375.02	357.8	0.00	0.0		
2425.00	366.12	343.1	0.00	0.0		
2450.00	373.32	342.3	0.00	0.0		
2475.00	420.02	367.3	0.00	0.0		
2500.00	513.82	432.3	0.00	0.0		
2525.00	500.65	469.7	0.00	0.0		
2550.00	408.53	420.9	0.00	0.0		
2575.00	560.55	448.6	0.00	0.0		
2600.00	509.44	495.4	0.00	0.0		
2625.00	515.60	474.6	0.00	0.0		
2650.00	527.44	482.9	0.00	0.0		
2675.00	490.29	471.2	0.00	0.0		

City Earthwork						
BASELINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
2700.00	429.06	425.6	0.00	0.0		
2725.00	345.60	358.6	0.00	0.0		
2750.00	262.71	281.6	0.00	0.0		
2775.00	226.30	226.4	0.01	0.0		
2800.00	186.72	191.2	2.92	1.4	0.00	0.0
2825.00	144.99	153.6	5.55	3.9	96.62	44.7
2850.00	110.57	118.3	7.01	5.8	75.33	79.6
2875.00	86.85	91.4	4.38	5.3	65.86	65.4
2900.00	73.90	74.4	1.24	2.6	63.15	59.7
2925.00	85.89	74.0	3.88	2.4	62.52	58.2
2950.00	75.40	74.7	20.12	11.1	60.79	57.1
2975.00	63.76	64.4	38.42	27.1	57.20	54.6
3000.00	49.61	52.5	60.76	45.9	51.62	50.4
3025.00	43.36	43.0	80.95	65.6	45.87	45.1
3050.00	35.88	36.7	103.31	85.3	38.83	39.2
3075.00	28.72	29.9	121.72	104.2	35.12	34.2
3100.00	15.00	20.2	148.53	125.1	86.06	56.1
3125.00	19.67	16.1	180.91	152.5	83.65	78.6
3150.00	27.45	21.8	214.45	183.0	82.20	76.8
3175.00	31.53	27.3	251.19	215.6	80.30	75.2
3200.00	42.15	34.1	289.85	250.5	80.42	74.4
3225.00	47.27	41.4	341.96	292.5	76.21	72.5
3250.00	49.06	44.6	398.38	342.8	73.48	69.3
3275.00	47.25	44.6	463.71	399.1	70.96	66.9
3300.00	52.15	46.0	508.20	450.0	71.59	66.0
3325.00	83.66	62.9	584.64	505.9	70.47	65.8
3350.00	235.17	147.6	427.71	468.7	67.17	63.7
3375.00	128.95	168.6	700.84	522.5	62.44	60.0
3400.00	124.69	117.4	981.20	778.7	57.08	55.3
3425.00	73.64	91.8	943.86	891.2	58.67	53.6
3450.00	79.65	71.0	774.98	795.8	61.83	55.8
3475.00	51.55	60.7	667.99	668.0	63.77	58.1
3500.00	7.14	27.2	696.73	631.8	53.66	54.4
3525.00	2.47	4.4	700.06	646.7	46.76	46.5

City Earthwork						
BASLINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
3550.00	1.47	1.8	675.21	636.7	44.72	42.4
3575.00	0.65	1.0	661.57	618.9	41.43	39.9
3600.00	0.08	0.3	640.24	602.7	39.58	37.5
3625.00	0.00	0.0	609.61	578.6	38.16	36.0
3650.00	0.00	0.0	539.77	532.1	39.48	35.9
3675.00	0.00	0.0	457.89	461.9	44.15	38.7
3700.00	0.00	0.0	378.17	387.1	50.67	43.9
3725.00	0.18	0.1	303.38	315.5	57.13	49.9
3750.00	11.33	5.3	218.18	241.5	70.54	59.1
3775.00	48.24	27.6	132.45	162.3	88.88	73.8
3800.00	77.41	58.2	54.06	86.3	47.09	62.9
3825.00	102.44	83.3	18.08	33.4	55.31	47.4
3850.00	136.57	110.7	3.41	9.9	0.00	25.6
3875.00	176.29	144.8	0.10	1.6		
3900.00	221.32	184.1	0.00	0.0		
3925.00	272.38	228.6	0.00	0.0		
3950.00	314.11	271.5	0.00	0.0		
3975.00	331.68	299.0	0.00	0.0		
4000.00	350.52	315.8	0.08	0.0		
4025.00	371.60	334.3	0.00	0.0		
4050.00	381.69	348.7	0.11	0.1		
4075.00	367.50	346.8	0.56	0.3		
4100.00	338.88	327.0	1.11	0.8		
4125.00	292.85	292.5	2.00	1.4		
4150.00	257.41	254.8	2.05	1.9		
4175.00	229.58	225.5	2.59	2.1		
4200.00	208.26	202.7	2.69	2.4		
4225.00	208.70	193.0	0.00	1.2		
4250.00	228.83	202.6	0.00	0.0		
4275.00	290.45	240.4	0.00	0.0		
4300.00	150.27	204.0	1.93	0.9		
4325.00	273.52	196.2	19.68	10.0		
4350.00	193.81	216.4	32.40	24.1		
4375.00	179.30	172.7	45.10	35.9	0.00	0.0

City Earthwork						
BASLINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
4400.00	159.43	156.8	57.88	47.7	52.84	24.5
4425.00	140.96	139.1	65.50	57.1	51.17	48.2
4450.00	121.85	121.7	70.63	63.0	50.06	46.9
4475.00	104.83	104.9	72.54	66.3	49.44	46.1
4500.00	88.11	89.3	74.70	68.2	48.78	45.5
4525.00	63.77	70.3	76.68	70.1	178.33	105.1
4550.00	31.51	44.1	96.78	80.3	169.57	161.1
4575.00	17.76	22.8	170.08	123.5	143.09	144.8
4600.00	12.29	13.9	236.43	188.2	115.71	119.8
4625.00	7.74	9.3	315.26	255.4	96.74	98.4
4650.00	3.91	5.4	391.60	327.3	91.19	87.0
4675.00	1.96	2.7	459.67	394.1	86.78	82.4
4700.00	0.89	1.3	530.23	458.3	83.62	78.9
4725.00	0.70	0.7	530.96	491.3	99.62	84.8
4750.00	0.57	0.6	591.50	519.7	95.12	90.2
4775.00	1.57	1.0	577.22	541.1	89.80	85.6
4800.00	0.75	1.1	534.22	514.6	82.63	79.8
4825.00	0.73	0.7	438.87	450.5	74.05	72.5
4843.14	0.91	0.6	363.86	269.7	78.59	51.3
Totals		30,868.2		23,564.8		7075.1

E&A Earthwork Package One

BASELINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
10400.00	0		340.07			
10425.00	0	0.0	329.06	309.8		
10450.00	0	0.0	58.11	179.2		
10500.00	0.42	0.4	32.54	83.9		
10550.00	0	0.4	47.29	73.9		
10600.00	0	0.0	494.52	501.7		
10650.00	0	0.0	446.19	871.0		
10700.00	0	0.0	282.85	675.0		
10750.00	0	0.0	68.92	325.7		
10800.00	0	0.0	56.45	116.1		
10850.00	0	0.0	33.27	83.1		
10900.00	0	0.0	20.29	49.6		
10930.00	0	0.0	0	11.3		
50090.44	0		0			
50100.00	2.95	0.5	0.2	0.0		
50150.00	21.95	23.1	0	0.2		
50200.00	40.42	57.8	0.39	0.4		
50250.00	46.4	80.4	0	0.4		
50300.00	71.73	109.4	12.06	11.2		
50350.00	51.04	113.7	85.97	90.8		
50400.00	22.82	68.4	122.28	192.8		
50403.20	0	1.4	340.07	27.4		
50597.78	0		0			
50600.00	26.89	1.1	37.09	1.5		
50650.00	82.06	100.9	3	37.1		
	Total	557.3		4,973.0		3,370.0

E&A Earthwork Package Two

BASLINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
10000.00	119.91		95.1			
10050.00	84.5	189.3	96.3	177.2		
10100.00	51.68	126.1	113.99	194.7		
10150.00	30.37	76.0	89.83	188.7		
10200.00	16.8	43.7	135.54	208.7		
10250.00	15.16	29.6	217.44	326.8		
10300.00	0	14.0	221.6	406.5		
10350.00	0	0.0	275.37	460.2		
	Total	478.6		1,963.0		757.0

HWS Earthwork

BASLINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
7900.00	19.5		0.0			
7950.00	18.4	35.1	2.5	2.3		
8000.00	16.2	32.0	7.5	9.3		
8050.00	9.6	23.9	11.2	17.3		
8100.00	5.0	13.5	20.4	29.3		
8150.00	0.0	4.6	44.1	59.7		
8200.00	0.0	0.0	200.3	226.3	80.0	
8250.00	0.0	0.0	254.9	421.5	80.2	148.3
8300.00	0.0	0.0	293.3	507.6	82.5	150.6
8350.00	0.0	0.0	321.5	569.3	80.3	150.7
8400.00	0.0	0.0	467.9	730.9	82.2	150.5
8450.00	0.0	0.0	458.3	857.6	79.4	149.6
8500.00	0.0	0.0	445.9	837.2	84.0	151.3
8550.00	0.0	0.0	459.3	838.1	83.1	154.7
8600.00	0.0	0.0	435.7	828.7	81.0	151.9
8650.00	0.0	0.0	371.0	746.9	89.1	157.5
8700.00	0.0	0.0	247.6	572.8	79.3	155.9
8750.00	0.0	0.0	157.9	375.5	93.3	159.8
8800.00	18.0	16.7	97.8	236.8	94.2	173.6
8850.00	563.2	538.1	13.0	102.6	72.3	154.2
8873.16	311.2	375.0	10.3	10.0	16.0	37.9
8913.16	383.5	514.6	0.3	7.9	13.8	22.1
8950.00	259.1	438.4	0.0	0.2	12.4	17.9
9000.00	210.5	434.8	1.1	1.0	21.4	31.3
9050.00	233.4	411.0	0.0	1.0	21.2	39.4
9100.00	294.6	488.9	0.0	0.0	17.5	35.8
9150.00	337.4	585.2	0.0	0.0	16.1	31.1
9200.00	358.9	644.7	0.0	0.0	16.3	30.0
9250.00	442.4	741.9	0.0	0.0	18.1	31.9
9300.00	413.2	792.2	0.0	0.0	15.3	30.9
9350.00	470.1	817.9	0.0	0.0	13.2	26.4
9400.00	424.9	828.7	0.0	0.0	25.3	35.6
9450.00	331.8	700.6	0.0	0.0	76.6	94.4
9500.00	236.6	526.3	0.0	0.0	84.3	149.0

HWS Earthwork

BASLINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
9550.00	156.3	363.8	1.7	1.6	79.5	151.7
9600.00	106.6	243.4	20.6	20.6	84.8	152.1
9650.00	79.6	172.4	39.8	55.9	82.3	154.7
9700.00	86.2	153.5	60.1	92.5	79.5	149.8
9750.00	86.7	160.1	107.5	155.2	88.3	155.4
9800.00	86.5	160.4	190.6	276.0	84.5	160.0
9850.00	74.3	148.9	104.0	272.8	61.2	134.9
9900.00	60.5	124.8	50.3	142.9	62.3	114.4
9950.00	86.2	135.8	30.4	74.7	59.6	112.9
10000.00	100.3	172.7	29.3	55.3	58.2	109.1
10050.00	68.5	156.3	42.1	66.1		
10100.00	44.9	105.0	54.5	89.4		
10150.00	52.3	90.0	49.8	96.6		
10200.00	87.4	129.4	23.5	67.9		
10250.00	217.5	282.3	5.4	26.8		
10282.23	235.4	270.3	4.5	5.9		
10315.23	219.0	277.7	2.8	4.5		
10350.00	161.1	244.7	1.4	2.7		
10400.00	179.1	315.0	10.1	10.6		
10450.00	236.6	384.9	15.0	23.2		
10500.00	305.7	502.1	13.2	26.1		
10550.00	362.7	618.9	10.2	21.7		
10600.00	410.9	716.3	10.1	18.8		
10650.00	449.1	796.3	9.3	18.0		
10700.00	452.7	835.0	5.0	13.2		
10750.00	423.5	811.3	4.9	9.2		
10800.00	398.7	761.3	6.3	10.4		
10850.00	378.8	719.9	8.1	13.3		
10900.00	340.1	665.6	7.2	14.2		
10949.03	288.4	570.7	22.8	27.2		
11000.00	244.5	503.0	6.8	27.9		
11050.00	183.4	396.2	2.3	8.4		
11100.00	154.1	312.5	0.0	2.1		

HWS Earthwork						
BASILINE STATION NUMBER	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	OVER-EXCAVATION AREA	OVER-EXCAVATION VOLUME
Water Main Items						
9800.00			32.2			
9850.00		0.0	18.3	46.8		
SKIP						
10850.00			2.8			
10900.00		0.0	4.3	6.6		
10950.00		0.0	7.7	11.1		
11000.00		0.0	11.5	17.8		
11050.00		0.0	12.1	21.9		
11100.00		0.0	25.4	34.7		
11150.00		0.0	34.4	55.4		
11200.00		0.0	31.7	61.2		
11250.00		0.0	23.2	50.8		
11300.00		0.0	28.5	47.9		
11350.00		0.0	33.1	57.0		
11400.00		0.0	35.8	63.8		
11450.00		0.0	38.6	68.9		
11500.00		0.0	33.7	66.9		
11550.00		0.0	38.4	66.8		
11600.00		0.0	53.4	85.0		
11650.00		0.0	66.8	111.3		
11700.00		0.0	76.1	132.3		
11750.00		0.0	102	164.9		
Road				9,741.5		
Water				1,171.0		
Stripped Area				3,361.0		
	Total	21,264.9		14,273.5		4,017.4